

Custodial, Labor and Trades Branch
Maintenance and Plant Operation Group
Sewage Plant Series

SEWAGE PLANT OPERATOR II

06/86

CHARACTERISTICS OF THE CLASS:

Under general supervision, on assigned shift, supervises a crew and performs duties in the operation of a sewage treatment, oxygen generation/activated sludge and carbon regeneration plant as assigned; performs related duties as required.

EXAMPLES OF DUTIES:

Controls flow of raw sewage for treatment through manual and/or remote operation of pumps, motors and valves; monitors control panels and make adjustments to regulate flow of sewage; reads and interprets meters and gauges and test results to determine load requirements.

Operates wet-air carbon regeneration processing equipment; adjusts temperature and pressure to regenerate carbon in the system; performs hot and cold shut-downs and start-ups as required; monitors the regeneration process and makes required adjustments.

Operates and maintains cryogenic oxygen generation and activated sludge equipment; controls the flow of air through cryogenic equipment to produce liquid oxygen; observes pressure, temperature level and moisture gauges and makes required adjustments; bottles liquid oxygen at specified temperature and pressure; monitors and adjusts waste sludge flows to digester and sludge level in clarifiers; operates and calibrates oxygen and hydrocarbon analyzers; reads and interprets technical and shop manuals and flowsheets.

Performs periodic inspections of equipment and operations; informs supervisor and/or mechanical crews of malfunctions and changes in production; checks, services and makes minor repairs to equipment as required; collects, tests and analyzes samples at various stages of processing, as required; calculates and posts production figures; calculates required chemical dosages; records readings of charts dials, gauges and other measuring instruments; maintains logs and records and prepares reports; operates and maintains power generating equipment; performs general grounds and building maintenance.

Plans, supervises, trains, assigns, reviews and evaluates the work of assigned personnel; enforces personnel rules and regulations, standards of conduct and work attendance; compiles with and enforces health and cleanliness policies and safe work practices and procedures.

MINIMUM QUALIFICATIONS:

Training and Experience: Graduation from high school or G.E.D. and two years experience in sewage treatment plant operations or an equivalent combination of training and experience.

Knowledge, Abilities and Skills: Good knowledge of the operation, maintenance and equipment used in a sewage treatment plant; good knowledge of the use and care of common hand tools; good knowledge of health and cleanliness policies and safe working practices and procedures.

Ability to supervise, train, review and evaluate the work of assigned personnel; ability to follow oral and written instructions; ability to make arithmetic calculations; ability to enforce personnel rules and regulations, standards of conduct and work attendance; ability to enforce and comply with health and cleanliness policies and safe working practices and procedures; ability to accurately read, interpret and record data from gauges, graphs, dials and other measuring instruments; ability to perform general building and equipment maintenance work; ability to establish and maintain effective working relationships with fellow employees and the general public; ability to maintain operating logs and records and prepare reports.

Skill in the use and care of common hand tools; skill in the operation of a motor vehicle.

Physical Requirements: Lift and carry heavy objects (50 to 75 pounds); perform work under unpleasant working

conditions; mobility within a sewage plant environment; exposure to all weather conditions; perform shift work; operate a motor vehicle through City traffic; climb ladders to access equipment.

License and Certificates: Texas Class "C" Driver's License; Texas "C" Sewer Certificate of Competency must be obtained after appointment in compliance with Article 4477-1, Section 20(a) of the Vernon's Texas Civil Statutes.

Director of Personnel

Department Head

OFFICIAL